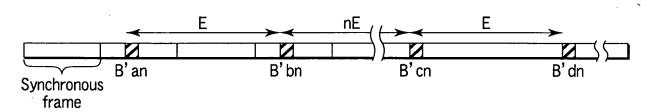
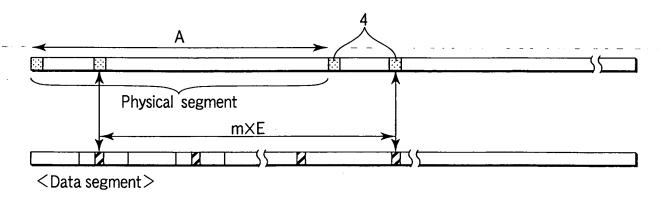


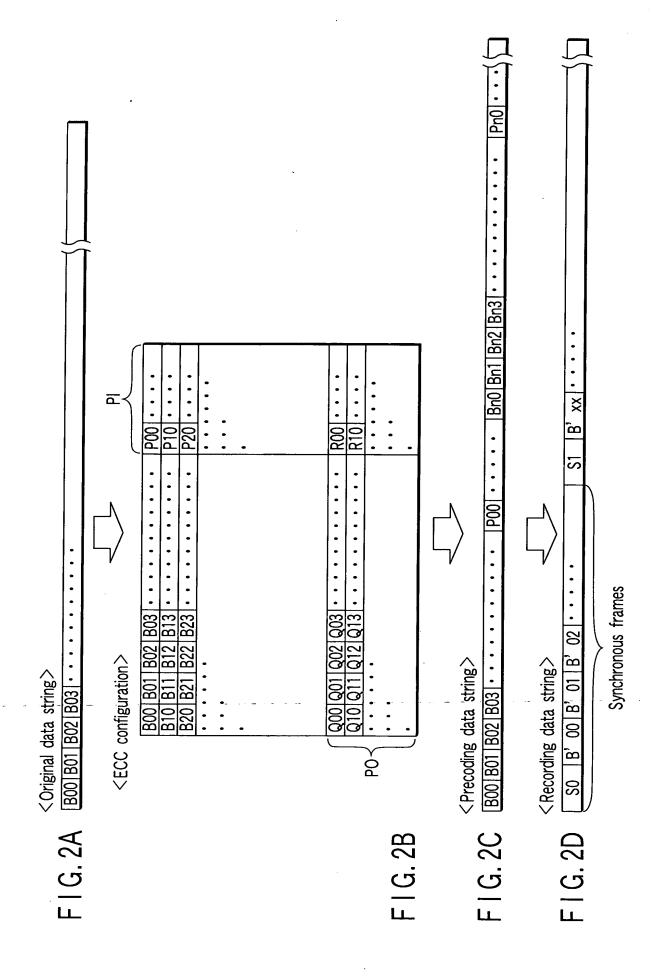
FIG. 1

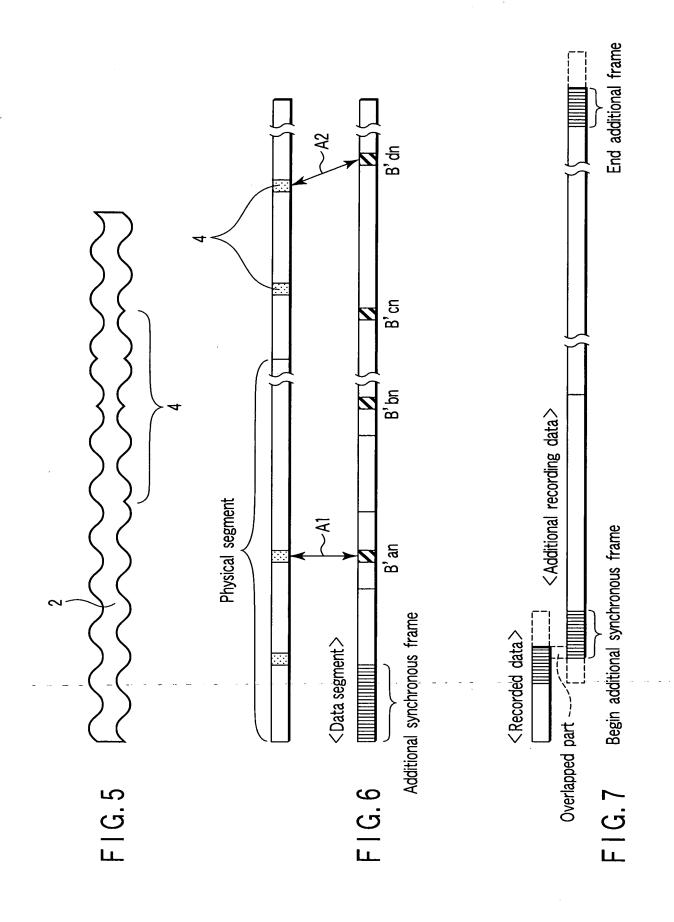


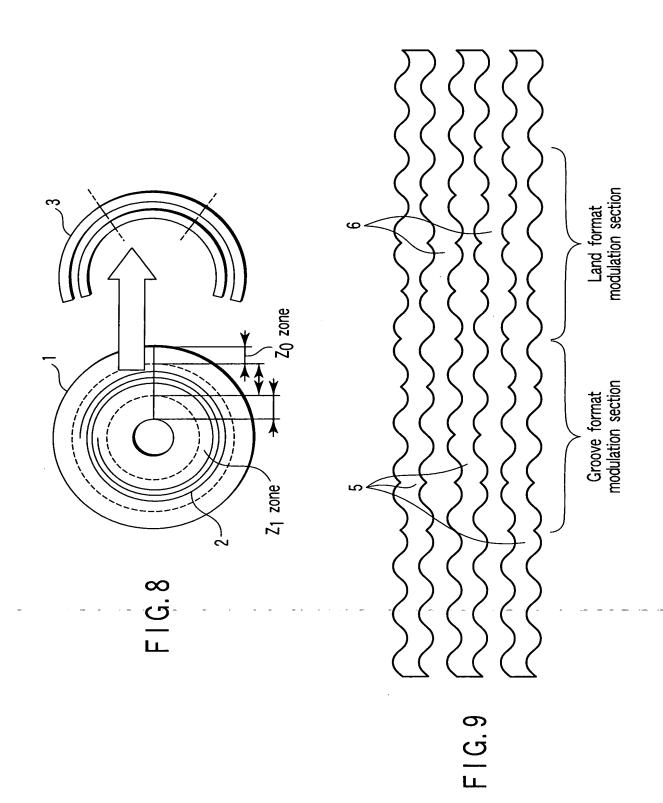
F I G. 3



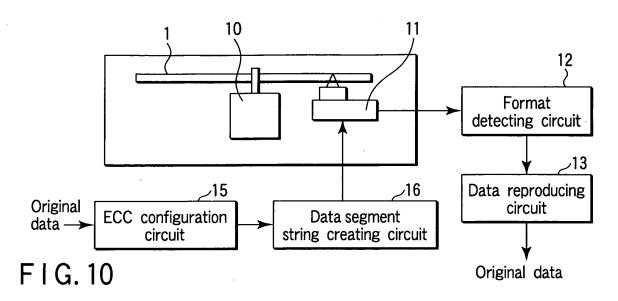
F I G. 4

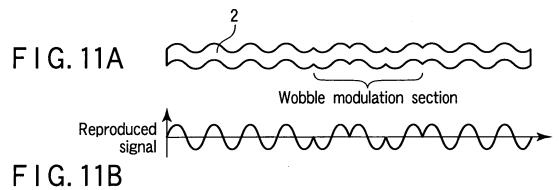






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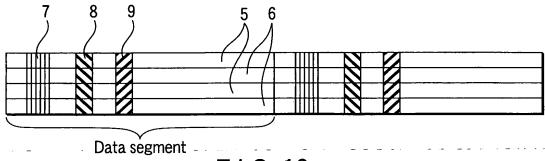


FIG. 12

FIG. 13 <	Binary code 000000 000001 000010 000011 000100 000101	Gray code 000000 000001 000011 000010 000110
	000110	001111

OBLON, SPIVAK, ET AL DOCKET #: 249111US2SX INV: Chosaku NODA, et al. SHEET 6 OF 25

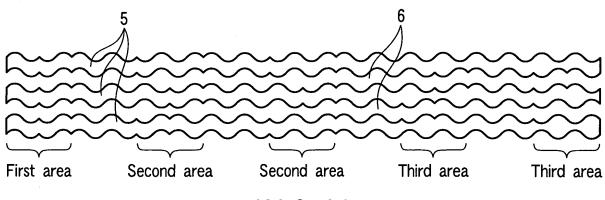
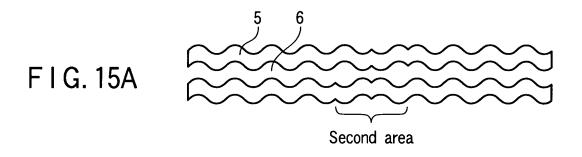
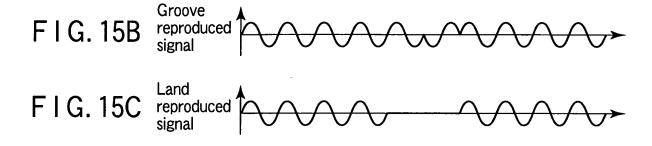
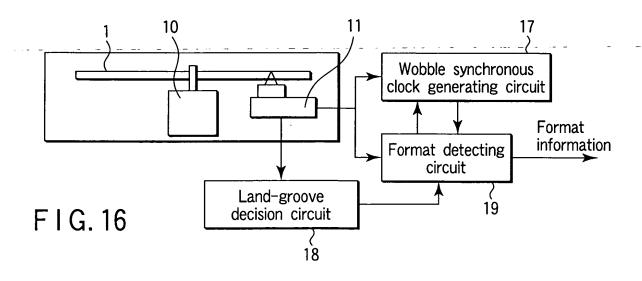
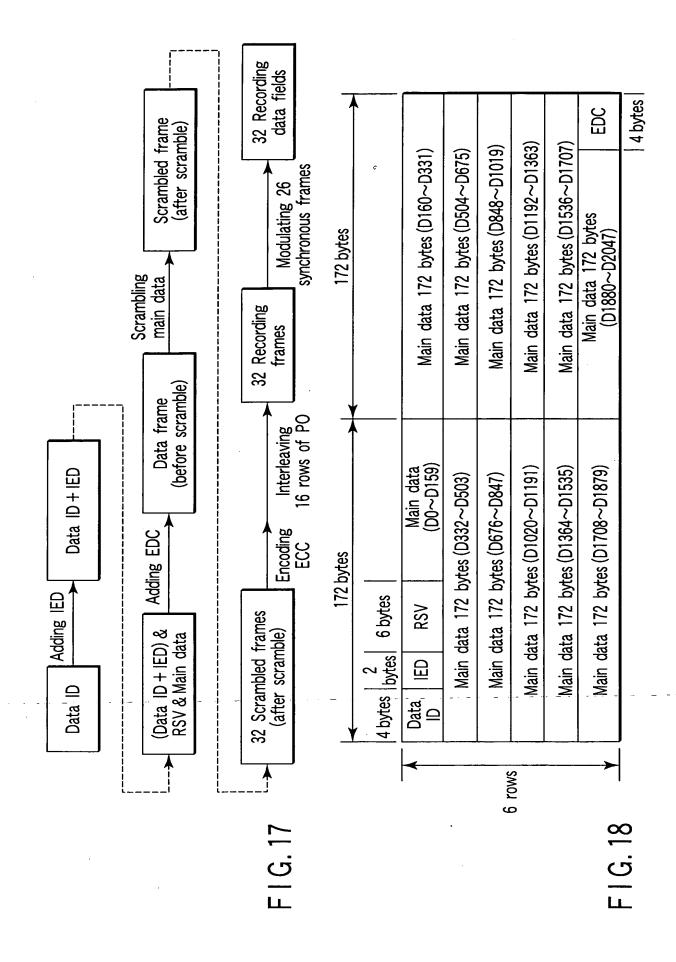


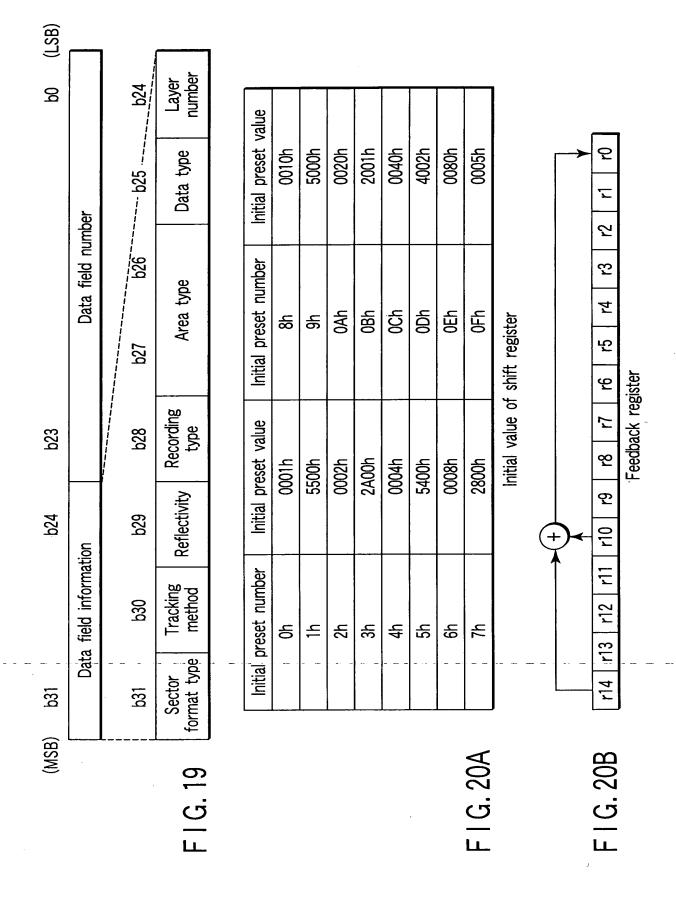
FIG. 14











		172	2 by	tes →	10	PI byt	es →	172	2 by	tes →	10	PI byt	es →
	★	B0,0		B0,171	B0,172		B0,181	B0,182		B0,353	B0,354		B0,363
		B1,0		B1,171	B1,172		B1,181	B1,182		B1,353	B1,354		B1,363
		B2,0		B2,171	B2,172		B2,181	B2,182		B2,353	B2,354		B2,363
	192 rows	B189,0		B189,171	B189,172		B189,181	B189,182		R180 353	B189,354	<u>, </u>	B189,363
		B190,0	-	B190,171	B190,172		B190,181	B190,182		·	B190,354		B190,363
	\downarrow	B191,0		B191,171	B191,172		B191,181	B191,182			B191,354		B191,363
	\$	B192,0		B192,171	B192,172		B192,181	B192,182		B192,353	B192,354		B192,363
요	5												
_	<u>9</u>	B207,0		B207,171	B207,172		B207,181	B207,182		B207,353	B207,354		B207,363

(ECC block structure)

F I G. 21

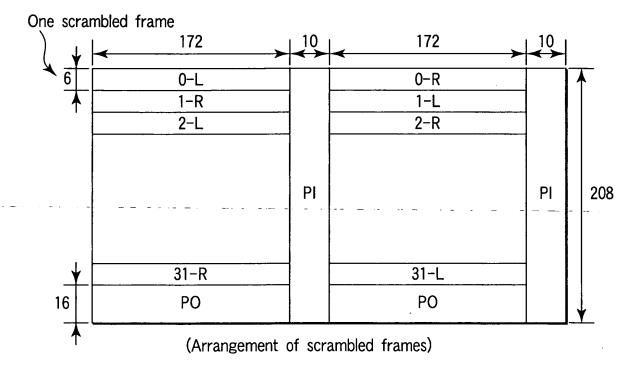


FIG. 22

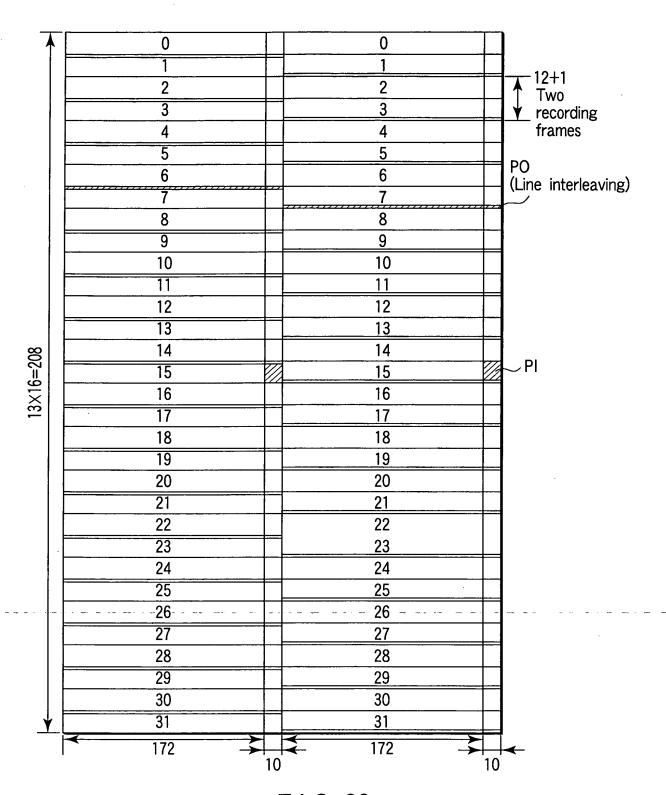
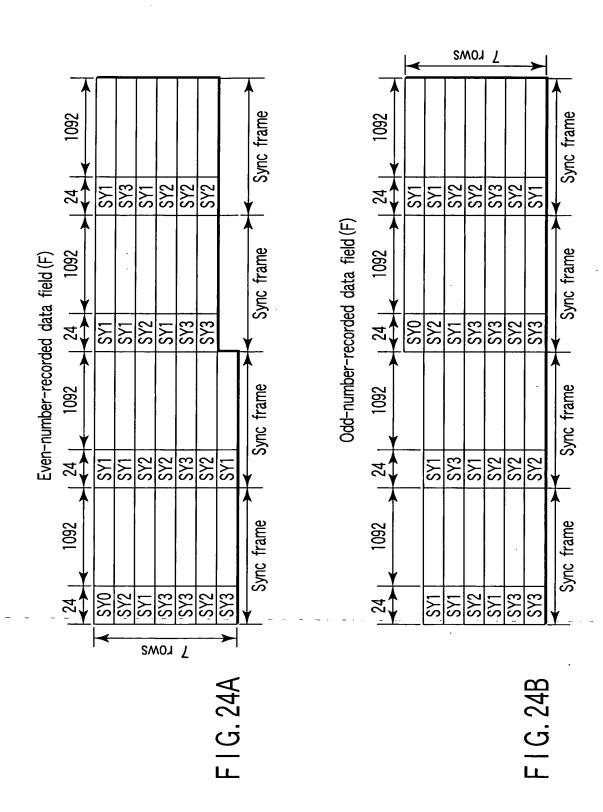


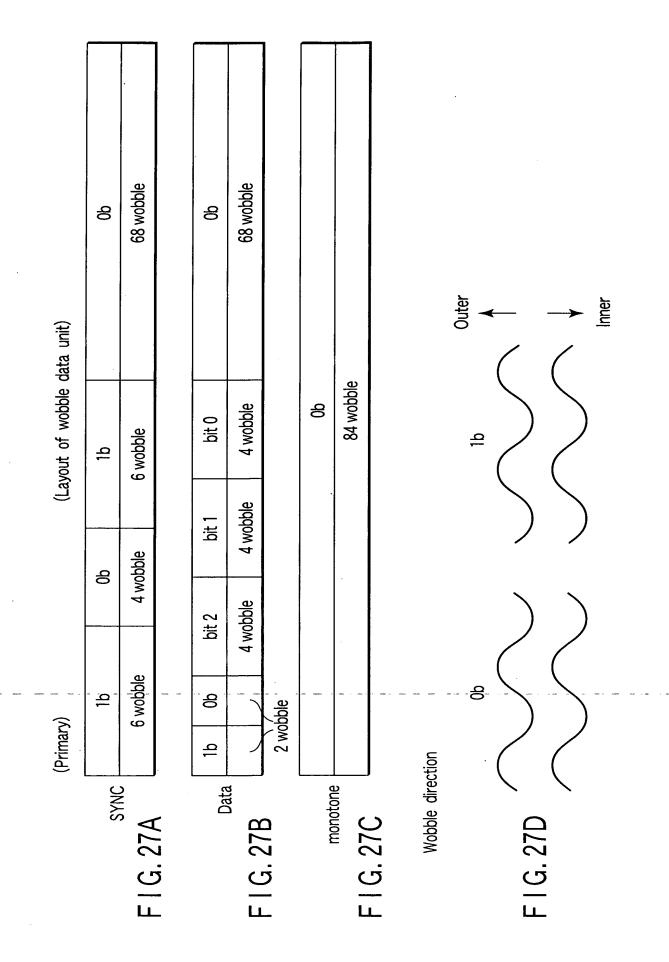
FIG. 23



(B) I/	(50)	001001	001001	001001	001001			(LSB)	001001	001001	001001	001001	
SONO CINOS	secondary sinc codes	000000	000000	000000	000000			Secondary SYNC codes	000000	000000	000000	000000	
Cacondan	occoridary	001000	101000		001000			Secondary	001000	101000	001000	001000	
(MCR)	(acial)	000010	100010	101000	101010			(MSB)	000100	001010	010000	010101	(e)
	•	_	\	\	_				\	_	\	\	Code)
(I SB)	(20)	001001	001001	001001	001001			(LSB)	001001	001001	001001	001001	(SYNC
Primary SYMC codes	2000	000000	000000	000000	000000			Primary SYNC codes	000000	000000	000000	000000	
Primary S	ה ה	101000	001000	001000	001000			Primary S	101000	001000	101000	001000	
(MSB)		000010	100001	100100	101000			(MSB)			010000	010100	
	-	- -	- 11-	- II· -	- 11					-	- 11		
Slateu		SY0	SY1	SY2	SY3	_	State1		SY0	SY1	SY2	SY3	ノ

FIG. 2

g										8	26 wobble
Guard area	Guard PA,etc		9							bit 0	4 wobble 2
			2			1		ole		bit 1	4 wobble
					4 15 16		ඉ	68 wobble		bit 2	4 wobble
	ne)		4		13 14					ප	2 2 wobble wobble
	ata fra				11 12					d d	2 wobble
	ECC block (32 Data frame)		က		2						
	ECC bl				8		bit 0	4 wobble	•		
			2		2 9			4 wobble 4 v	-		plde
		i	1		5		Dit 1			g O	42 wobble
					es .		bit 2	4 wobble			
Guard area	Guard VFO,PS,etc		Physical segment 0	· - •	1 2	<u>-</u>	8	2 2 wobble		-	
Gual	VFO,		Ph		0		<u>e</u>				
	Data segment format	F I G. 26A	F1G.26B		Physical segment format	F1G.26C	Wobble data unit	(Primary)		Wobble data unit	(Secondary for R) FIG. 26E



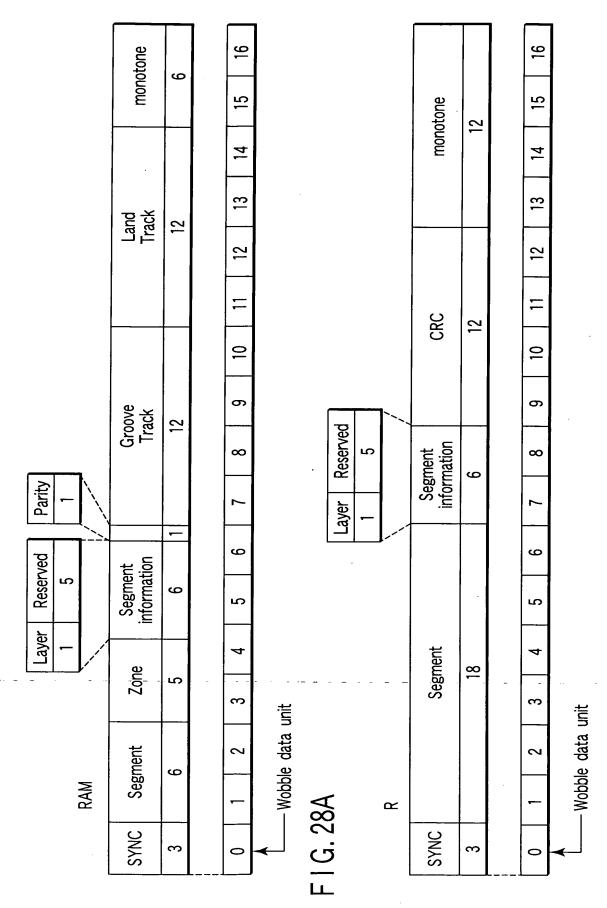
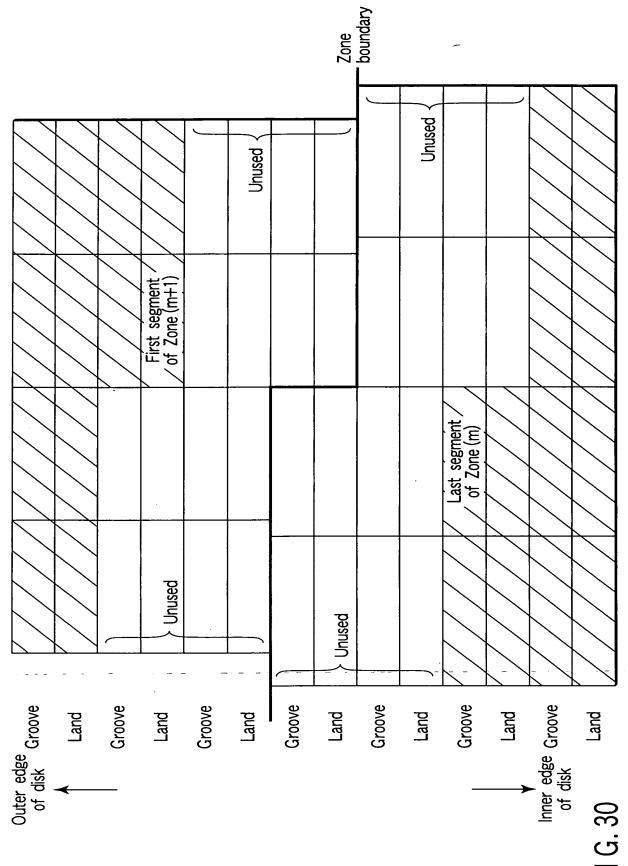
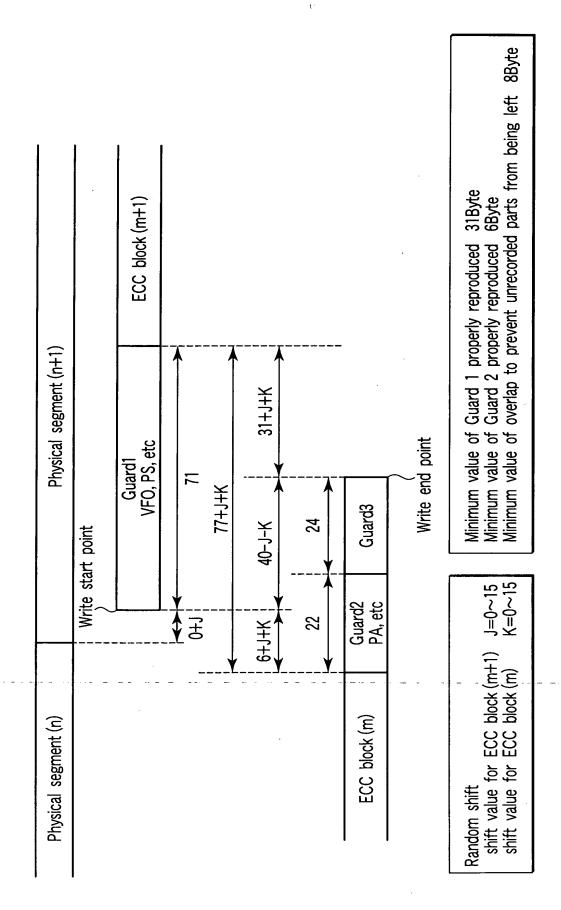


FIG. 28B

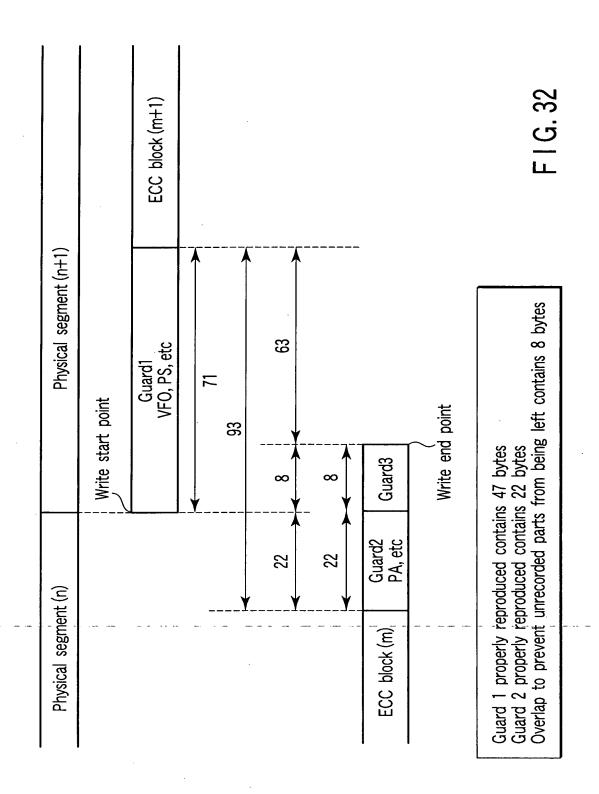
monotone	monotone	monotone	monotone	monotone	monotone	
ı	Land track (m+2)	I	Land track (m+1)	1	Land track (m)	,
Groove track (m+2)	-	Groove track (m+1)	ı	Groove track (m)	Î	
Parity	Parity	Parity	Parity	Parity	Parity	
Segment information	Segment information	Segment information	Segment information	Segment information	Segment information	
Zone	Zone	Zone	Zone	Zone	Zone	
 Segment	Segment	Segment	Segment	Segment	Segment .	· - -
SYNC	SYNC	SYNC	SYNC	SYNC	SYNC	
Groove	Land	Groove	Land	Groove	Land	· >

FIG. 29





F1G.31



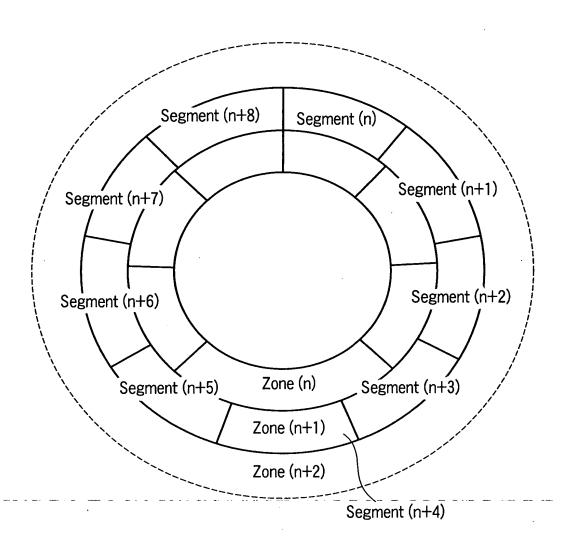
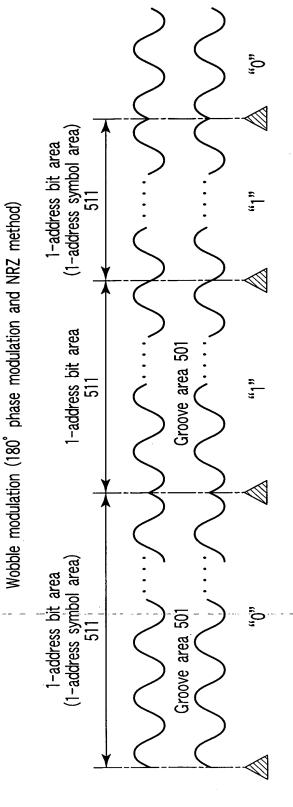
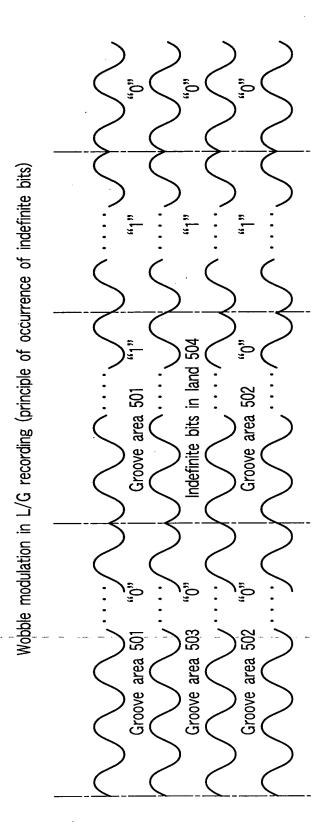


FIG. 33



 $\not\simeq$ 1-address bit area 511 (expressed in 8 wobbles or 12 wobbles) $\not\simeq$ Frequency, amplitude, and phase in 1-address bit area = constant everywhere $\not\simeq$ Boundary part of 1-address bit area 511 (180° or 0° phase shift)

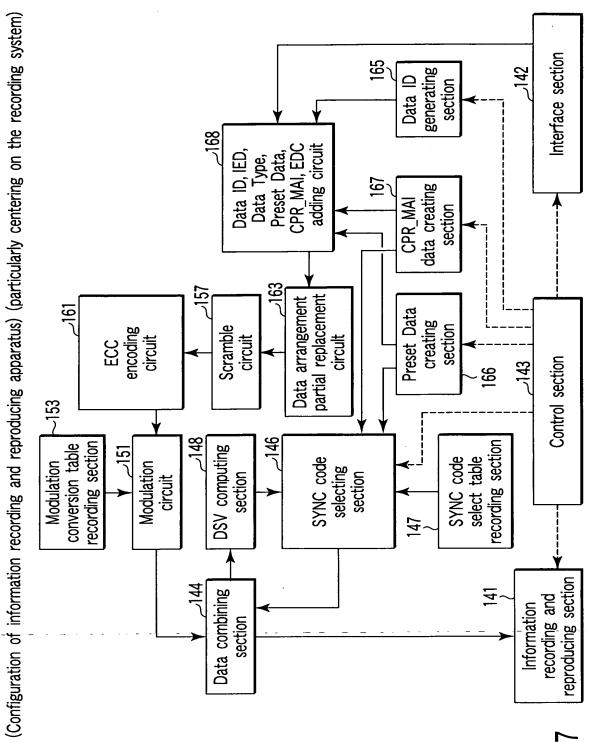
F1G.34



F G. 35

Example of Gray code

Decimal number	Conventional binary representation	Gray code representation			
0	0000	0000			
1	0001	0001			
2	0010	0011			
3	0011	0010			
4	0100	0110			
5	0101	0111			
6	0110	0101			
7	0111	0100			
8	1000	1100			
9	1001	1101			
10	1010	1111			
11	1011	1110			
12	1100	1010			
13	1101	1011			
14	1110	1001			
15	1111	1000			



F1G.37

